

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: November 30, 2002, 12:35:03 ; Search time 11.5 Seconds
(without alignments)
1286.933 Million cell updates/sec

Title: US-10-025-514-8
Perfect score: 2675
Sequence: 1 MSGKFKAGVCPKPKSAQCL.....IEQNTKSLFMGKVVNPTQK 503

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues
Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2052.5	76.7	418	1	US-08-121-714-3
2	2052.5	76.7	418	1	US-08-477-108A-3
3	2052.5	76.7	418	2	US-08-477-112-3
4	2052.5	76.7	418	5	PCT-US93-08322-3
5	2030	75.9	394	3	US-09-023-339-1
6	2024	75.7	394	1	US-08-002-202-6
7	2019	75.5	394	2	US-08-553-488A-1
8	2018	75.4	394	1	US-08-002-202-11
9	2014	75.3	394	1	US-08-481-534-6
10	2013	75.3	394	1	US-08-002-202-9
11	2010.5	75.2	414	1	US-08-002-202-17
12	2010.5	75.2	414	3	US-08-481-534-17
13	2008	75.1	394	1	US-08-481-534-11
14	2004.5	74.9	414	1	US-08-002-202-13
15	2004.5	74.9	414	3	US-08-481-534-13
16	2003	74.9	394	3	US-08-481-534-9
17	1999.5	74.7	414	1	US-08-002-202-19
18	1999.5	74.7	414	3	US-08-481-534-19
19	1392	52.0	308	1	US-07-859-480-2
20	820	30.7	405	1	US-07-829-954-2
21	820	30.7	405	1	US-07-994-423-2
22	820	30.7	405	1	US-08-421-891-2
23	635	23.7	107	2	US-07-963-538B-4
24	635	23.7	132	1	US-08-304-051-21
25	635	23.7	132	5	PCT-US95-11445-21
26	587	21.9	107	3	US-08-483-503A-4
27	545.5	20.4	444	4	US-09-271-608-8

28	545.5	20.4	444	4	US-09-695-950-8	Sequence 8, Appli
29	545.5	20.4	444	4	US-09-696-147-8	Sequence 8, Appli
30	545.5	20.4	444	4	US-09-696-364-8	Sequence 8, Appli
31	543.5	20.3	436	3	US-08-660-347-2	Sequence 2, Appli
32	530.5	19.8	390	1	US-08-568-147B-2	Sequence 2, Appli
33	527.5	19.7	390	4	US-09-266-910-4	Sequence 4, Appli
34	526.5	19.7	390	4	US-09-266-910-3	Sequence 3, Appli
35	515.5	19.3	376	1	US-08-464-148-4	Sequence 4, Appli
36	515.5	19.3	376	1	US-08-385-500-4	Sequence 4, Appli
37	515.5	19.3	376	1	US-08-846-784-4	Sequence 4, Appli
38	489.5	18.3	382	1	US-07-768-286B-6	Sequence 6, Appli
39	489.5	18.3	382	1	US-08-487-823B-3	Sequence 3, Appli
40	489.5	18.3	382	2	US-09-997-040-3	Sequence 3, Appli
41	489.5	18.3	382	2	US-09-203-237-3	Sequence 3, Appli
42	488.5	18.3	376	4	US-09-200-965-2	Sequence 2, Appli
43	487	18.2	375	1	US-08-121-714-8	Sequence 8, Appli
44	487	18.2	375	1	US-08-477-108A-8	Sequence 8, Appli
45	487	18.2	375	2	US-08-477-112-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1
US-08-121-714-3
; Sequence 3, Application US/08121714
; Patent No. 5470970
; GENERAL INFORMATION:
; APPLICANT: Sager, Ruth
; TITLE OF INVENTION: MASPIN, A NOVEL SERPIN WITH
; TUMOR SUPPRESSING ACTIVITY
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/121,714
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/938,823
; FILING DATE: 09/01/92
; APPLICATION NUMBER: 07/844,296
; FILING DATE: 02/28/92
; APPLICATION NUMBER: 07/662,216
; FILING DATE: 02/28/91
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 00530/072001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 418
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; US-08-121-714-3

Query Match 76.7%; Score 2052.5; DB 1; Length 418;
Best Local Similarity 97.8%; Pred. No. 2.7e-167;

TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 418
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-477-108A-3

Query Match 76.7%; Score 2052.5; DB 1; Length 418;
Best Local Similarity 97.8%; Pred. No. 2.7e-167; Indels 3; Gaps 1;
Matches 399; Conservative 2; Mismatches 4;

QY 96 GCGKSCVPMKAMEDPQGDAAQKTDTHSHDQDHPFTFNKIPNLAFAFSLYRQLAHQSN 155
DB 14 GLC---CLVPVSLAEDPQGDAAQKTDTHSHDQDHPFTFNKIPNLAFAFSLYRQLAHQSN 70
QY 156 STNIFSPVSIATAFAMLSLGTADTHDEILLEGFLNLTETPEAQIHGFGFOLLRTLNQ 215
DB 71 STNIFSPVSIATAFAMLSLGTADTHDEILLEGFLNLTETPEAQIHGFGFOLLRTLNQ 130
QY 216 DSOLQITGNGFLSLGKLVDFKLELVKLYHSEAFVNFSGADLSGVTEEAPLKLKAVHKAVLTIDEKGT 275
DB 131 DSOLQITGNGFLSLGKLVDFKLELVKLYHSEAFVNFSGADLSGVTEEAPLKLKAVHKAVLTIDEKGT 190
QY 276 GKVLDVVKELDRDTVFALVNYIFFKGGKWERPEVVDTEEDFHVQDVTTVKVPMMKRLGM 335
DB 191 GKVLDVVKELDRDTVFALVNYIFFKGGKWERPEVVDTEEDFHVQDVTTVKVPMMKRLGM 250
QY 336 FNIOHCKKLSWVLLMKYLGNAITAEFLPDEGKLOHLENELTHDITTKFLENEDRRSASL 395
DB 251 FNIOHCKKLSWVLLMKYLGNAITAEFLPDEGKLOHLENELTHDITTKFLENEDRRSASL 310
QY 396 HLPKLSITGTIDYDLKSVLGQGITKVFNSGADLSGVTEEAPLKLKAVHKAVLTIDEKGT 455
DB 311 HLPKLSITGTIDYDLKSVLGQGITKVFNSGADLSGVTEEAPLKLKAVHKAVLTIDEKGT 370
QY 456 AAGAMFLEAIPMSIPPEVKENKPFVFLMTEQNTKSPLEMGKVVNPQK 503
DB 371 AAGAMFLEAIPMSIPPEVKENKPFVFLMTEQNTKSPLEMGKVVNPQK 418

RESULT 3
US-08-477-112-3
; Sequence 3, Application US/08477112
; Patent No. 5905023
; GENERAL INFORMATION:
; APPLICANT: Sager, Ruth
; TITLE OF INVENTION: MASPIN, A NOVEL SERPIN WITH
; TITLE OF INVENTION: TUMOR SUPPRESSING ACTIVITY
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,112
; FILING DATE: 09/01/93
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: 08/121,714
; FILING DATE: 09/01/93
; APPLICATION NUMBER: 07/938,823
; FILING DATE: 09/01/92
; APPLICATION NUMBER: 07/844,296
; FILING DATE: 02/28/92
; APPLICATION NUMBER: 07/662,216
; FILING DATE: 02/28/91
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 06570/002002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070

STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,339
FILING DATE: 13-FEB-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/037,991
FILING DATE: 13-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Petithory, Joanne R
REGISTRATION NUMBER: P42,995
REFERENCE/DOCKET NUMBER: 0665-0003.30
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 394 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: mature AAT amino acid sequence
IS-09-023-339-1

Query Match	75.9%;	Score 2030;	DB 3;	Length 394;
Best Local Similarity	100.0%;	pred. No. 2.1e-165;		
Best Overall Similarity	100.0%;	pred. No. 2.1e-165;		
Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;

Query Match	75.78;	Score	2024;	DB	1;	Length	394;	
Best Local Similarity	99.5%;	Pred. No.	6.8e-165;					
Matches: 392;	Conservative	2;	Mismatches	0;	Indels	0;	Gaps	
0;								
QY	110	EDPQGDAAQKTDTS	SHHDQDHPTFNK	ITPNAELAFSLY	ROLAHQSNSTNIF	SPSVSIATA	169	
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QY	170	FAMLSGTYKADTHD	ILEGLNFNLTEIPE	QAQIHGEGFQELL	RTLNQDPSQLQTTG	NGFLFL	229	
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QY	230	SGELKLVDFEDVK	LKYHSEAFVNF	GDTEBAKQINDY	VEKGTQGI	VDLVKELDROT	289	
DB	121	SGELKLVDFEDVK	LKYHSEAFVNF	GDTEBAKQINDY	VEKGTQGI	VDLVKELDROT	180	
QY	290	VFALVNYIFFKGK	WRPPEVKDTEED	PHVDQVTVTV	VPMMKRLGMFN	IOHCKKLSWWL	349	
DB	181	VFALVNYIFFKGK	WRPPEVKDTEED	PHVDQVTVTV	VPMMKRLGMFN	IOHCKKLSWWL	240	
QY	350	LMKYLGNATAIF	FLPDEGKLOH	NELTHDITIT	KFLNEDRRSAS	LHLPKLSITGTYDLK	409	
DB	241	LMKYLGNATAIF	FLPDEGKLOH	NELTHDITIT	KFLNEDRRSAS	LHLPKLSITGTYDLK	300	
QY	410	SVLQGLGIIKVF	SNGADLSGV	TTEAPLKS	KAHVKA	VLITIDEKTEAAGAM	FLAIPMSI	469
DB	301	SVLQGLGIIKVF	SNGADLSGV	TTEAPLKS	KAHVKA	VLITIDEKTEAAGAM	FLAIPMSI	360
QY	470	PPEVKFNKPFV	FLMI	EONTKSP	FLFGKVVN	TQK	503	
DB	361	PPEVKFNKPFV	FLMI	EONTKSP	FLFGKVVN	TQK	394	

RESULT 7
US-08-553-488A-1
; Sequence 1, Application US/08553488A
; Patent No. 5817484
; GENERAL INFORMATION:

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RESULT 6
US-08-002-202-6
; Sequence 6, Application US/080022202
; Patent No. 5604201
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; GENERAL INFORMATION:
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; APPLICANT: Thomas, Garry
; APPLICANT: Anderson, Eric D
; APPLICANT: Thomas, Laurel
; APPLICANT: Hayflick, Joel S
;

```

RESULT 6

APPLICANT: YU, Myeong-Hee
APPLICANT: KWON, Ki-Sun
APPLICANT: LEE, Kee-Nyung
APPLICANT: SHIN, Hwa-Soo
TITLE OF INVENTION: THERMORESISTANT ALPHA-1-ANTITRYPSIN
TITLE OF INVENTION: MUTEIN
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: YU, Myeong-Hee
STREET: 3-1003, Hankang Apartment, 49-8, Jamwon-dong,
SPEET: Secho-gu
CITY: Seoul
STATE: Seoul
COUNTRY: Republic of Korea
ZIP: 137-030
ADDRESSEE: KWON, Ki-Sun
STREET: 130-1306, Hanbit Apartment, Oun-dong,
STREET: Yuseong-gu
CITY: Taejeon
STATE: Taejeon
COUNTRY: Republic of Korea
ZIP: 305-333
ADDRESSEE: LEE, Kee-Nyung
STREET: 105-1004, Hanbit Apartment, Oun-dong,
STREET: Yuseong-gu
CITY: Taejeon
STATE: Taejeon
COUNTRY: Republic of Korea
ZIP: 305-333
ADDRESSEE: SHIN, Hwa-Soo
STREET: 3-303, Sindonga Apartment, Yongjeon-dong,
STREET: Dong-gu
CITY: Taejeon
STATE: Taejeon
COUNTRY: Republic of Korea
ZIP: 300-200
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44MB storage
COMPUTER: IBM PC/AT
OPERATING SYSTEM: MS-DOS
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/553,488A
FILING DATE: 20-NOV-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: KR 93-8510
FILING DATE: 18-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 394 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
OTHER INFORMATION: wild type human '-1-antitrypsin
US-08-553-488A-1

Query Match 75.5%; Score 2019; DB 2; Length 394;
Best Local Similarity 99.2%; Pred. No 1.8e-164;
Matches 391; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 110 EDPGDAQAQKTDTSHHQDHPHTNKTPNLAFAFSLYQLAHQSNSTIFFSPVSIATA 169
Db 1 EDPGDAQAQKTDTSHHQDHPHTNKTPNLAFAFSLYQLAHQSNSTIFFSPVSIATA 60

Qy 170 FAMLSTGKADTHDEITELGNLNFNLTEIPAQIHEGFEQLLRLTNOPDSQLQITGNGLFL 229
Db 61 FAMLSTGKADTHDEITELGNLNFNLTEIPAQIHEGFEQLLRLTNOPDSQLQITGNGLFL 120
Qy 230 SEGKLVDFLEVDKLYHSEAFVTFNGDTEAAKQINDYVEKGTQGIKIVDLVKELDRDT 289
Db 121 SEGKLVDFLEVDKLYHSEAFVTFNGDTEAAKQINDYVEKGTQGIKIVDLVKELDRDT 180
Qy 290 VFALVNYIFFKKGWERPFVKDTEEDFHDQVTVKVPMMKRLGMFNIOHCKKLSWVL 349
Db 181 VFALVNYIFFKKGWERPFVKDTEEDFHDQVTVKVPMMKRLGMFNIOHCKKLSWVL 240
Qy 350 LMKYLGNTAIFFLPDEKGLQHLNELTHDITTKFLENEDRRSASLHLPKLSITGTDLK 409
Db 241 LMKYLGNTAIFFLPDEKGLQHLNELTHDITTKFLENEDRRSASLHLPKLSITGTDLK 300
Qy 410 SVLGOLGITKVFESNGADLSGVTEEAFLKLSKAVHKAVLTIDEKTEAAGAMFLEAIPMSI 469
Db 301 SVLGOLGITKVFESNGADLSGVTEEAFLKLSKAVHKAVLTIDEKTEAAGAMFLEAIPMSI 360
Qy 470 PPEVKFNKPFVFLMIEQNTKSPFMGKVVNPTQK 503
Db 361 PPEVKFNKPFVFLMIDQNTKSPFMGKVVNPTQK 394

RESULT 8

US-08-002-202-11
Sequence 11, Application US/08002202
Patent No. 5604201
GENERAL INFORMATION:
APPLICANT: Thomas, Garry
APPLICANT: Anderson, Eric D
APPLICANT: Thomas, Laurel
APPLICANT: Hayflick, Joel S
TITLE OF INVENTION: Methods and Reagents for Inhibiting
TITLE OF INVENTION: Furin Endoprotease
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Allegretti and Witcoff, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/002,202
FILING DATE: 08-JAN-1993
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: No. 5604201nan, Kevin E
REGISTRATION NUMBER: 35,30003
REFERENCE/DOCKET NUMBER: 92,448
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 394 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..394
OTHER INFORMATION: /label= Variants
OTHER INFORMATION: /note= "This amino acid sequence is the amino acid
OTHER INFORMATION: sequence of the modified alpha-1-antitrypsin

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; OTHER INFORMATION: variant, alpha-1-antitrypsin Pittsburgh "
US-08-002-202-11
;
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 394 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
; US-08-481-534-6
;
; Query Match 75.4%; Score 2018; DB 1; Length 394;
; Best Local Similarity 99.2%; Pred. No. 2.2e-164;
; Matches 391; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
;
; QY 110 EDPOGDAQAQKTDTSHHDDQDHTFNKIPNLAFAFSLYRQLAHQSNSNIFFSPVSIATA 169
; DB 1 EDPOGDAQAQKTDTSHHDDQDHTFNKIPNLAFAFSLYRQLAHQSNSNIFFSPVSIATA 60
;
; QY 170 FAMLISGKTADTHDEILLEGLENFNLTEPEAQIHEGFQELLRTLNQPSQLOLTGNGLFL 229
; DB 61 FAMLISGKTADTHDEILLEGLENFNLTEPEAQIHEGFQELLRTLNQPSQLOLTGNGLFL 120
;
; QY 230 SEGKLVDKFLVDVKKLYHSEAFVNFQDTEAKKQINDYVEKGQKIVDLVKELDRDT 289
; DB 121 SOGLKLVDFLEDDVKLYHSEAFVNFQDTEAKKQINDYVEKGQKIVDLVKELDRDT 180
;
; QY 290 VFALVNIFFKQKWERPPEVKDTEEDFHVDQVTVKVPMMKRLGFMNIHQCKKLSWVL 349
; DB 181 VFALVNIFFKQKWERPPEVKDTEEDFHVDQVTVKVPMMKRLGFMNIHQCKKLSWVL 240
;
; QY 350 LMKYLGNAATAFFLPDEGKLOHLENELTHDIITKFELENEDRRSASLHLPKLSITGYDLK 409
; DB 241 LMKYLGNAATAFFLPDEGKLOHLENELTHDIITKFELENEDRRSASLHLPKLSITGYDLK 300
;
; QY 410 SVLGQGITKVFNSGADLSGVTEEAPLKSKAVHKAVLTIDEKTEAGAMFLEAIPMSI 469
; DB 301 SVLGQGITKVFNSGADLSGVTEEAPLKSKAVHKAVLTIDEKTEAGAMFLEAIPMSI 360
;
; QY 470 PPEVKFNKPFVFLMIEQNTKSPFLFMGKVVNPTQK 503
; DB 361 PPEVKFNKPFVFLMIEQNTKSPFLFMGKVVNPTQK 394
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; RESULT 9
; US-08-481-534-6
; Sequence 6, Application US/08481534
; Patent No. 6022855
; GENERAL INFORMATION:
; APPLICANT: Thomas, Gary
; APPLICANT: Anderson, Eric D
; APPLICANT: Thomas, Laurel
; APPLICANT: Haylick, Joel S
; APPLICANT: Nelson, Jay
; APPLICANT: Stenglen, Stephan G
; TITLE OF INVENTION: Methods and Reagents for Inhibiting Furin
; TITLE OF INVENTION: Endoprotease
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
; STREET: 300 South Wacker Drive
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,534
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 6022855nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 92,448-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-913-0001
; TELEFAX: 312-913-0002
;

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; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 394 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
; US-08-481-534-6
;
; Query Match 75.3%; Score 2014; DB 3; Length 394;
; Best Local Similarity 99.0%; Pred. No. 4.8e-164;
; Matches 390; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
;
; QY 110 EDPOGDAQAQKTDTSHHDDQDHTFNKIPNLAFAFSLYRQLAHQSNSNIFFSPVSIATA 169
; DB 1 EDPOGDAQAQKTDTSHHDDQDHTFNKIPNLAFAFSLYRQLAHQSNSNIFFSPVSIATA 60
;
; QY 170 FAMLISGKTADTHDEILLEGLENFNLTEPEAQIHEGFQELLRTLNQPSQLOLTGNGLFL 229
; DB 61 FAMLISGKTADTHDEILLEGLENFNLTEPEAQIHEGFQELLRTLNQPSQLOLTGNGLFL 120
;
; QY 230 SEGKLVDKFLVDVKKLYHSEAFVNFQDTEAKKQINDYVEKGQKIVDLVKELDRDT 289
; DB 121 SOGLKLVDFLEDDVKLYHSEAFVNFQDTEAKKQINDYVEKGQKIVDLVKELDRDT 180
;
; QY 290 VFALVNIFFKQKWERPPEVKDTEEDFHVDQVTVKVPMMKRLGFMNIHQCKKLSWVL 349
; DB 181 VFALVNIFFKQKWERPPEVKDTEEDFHVDQVTVKVPMMKRLGFMNIHQCKKLSWVL 240
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; QY 350 LMKYLGNAATAFFLPDEGKLOHLENELTHDIITKFELENEDRRSASLHLPKLSITGYDLK 409
; DB 241 LMKYLGNAATAFFLPDEGKLOHLENELTHDIITKFELENEDRRSASLHLPKLSITGYDLK 300
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; QY 410 SVLGQGITKVFNSGADLSGVTEEAPLKSKAVHKAVLTIDEKTEAGAMFLEAIPMSI 469
; DB 301 SVLGQGITKVFNSGADLSGVTEEAPLKSKAVHKAVLTIDEKTEAGAMFLEAIPMSI 360
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; QY 470 PPEVKFNKPFVFLMIEQNTKSPFLFMGKVVNPTQK 503
; DB 361 PPEVKFNKPFVFLMIEQNTKSPFLFMGKVVNPTQK 394
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; RESULT 10
; US-08-002-202-9
; Sequence 9, Application US/08002202
; Patent No. 5604201
; GENERAL INFORMATION:
; APPLICANT: Thomas, Gary
; APPLICANT: Anderson, Eric D
; APPLICANT: Thomas, Laurel
; APPLICANT: Haylick, Joel S
; TITLE OF INVENTION: Methods and Reagents for Inhibiting
; TITLE OF INVENTION: Furin Endoprotease
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Allegretti and Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/002,202
; FILING DATE: 08-JAN-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5604201nan, Kevin E
; REGISTRATION NUMBER: 35,30003
;

```

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; REFERENCE/DOCKET NUMBER: 92,448
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 394 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..394
; OTHER INFORMATION: /label= Variant
; OTHER INFORMATION: /note= "this amino acid sequence is the amino acid
; OTHER INFORMATION: sequence of the modified alpha-1-antitrypsin
; OTHER INFORMATION: protein, alpha-1-antitrypsin Portland;"
; US-08-002-202-9
;
; Query Match 75.3%; Score 2013; DB 1; Length 394;
; Best Local Similarity 99.0%; Pred. No. 5.9e-164;
; Matches 390; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
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QY 110 EDPOGDAQAQKTDTSRHHQDHPFNKTPNLAFAFSLYRQLAHQSNSTNIFSPVSIATA 169
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QY 170 FAMLSTGTRADTHDEILEGNFNLTEIPEAQIHEGFOELLRTLNQPSQLQTLTNGNGLFL 229
Db 61 FAMLSTGTRADTHDEILEGNFNLTEIPEAQIHEGFOELLRTLNQPSQLQTLTNGNGLFL 120
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Db 121 SOGLKLVDFLEVDKLYLHSEAFVNFQDTEAKKQINDYVEKGTQKIVDLVKELDRDT 180
QY 290 VFALVNYIFFKGKWERPFVKDTEEDFHVQDVTTVKVPMMKRLGNFIHQCKKLSSWVL 349
Db 181 VFALVNYIFFKGKWERPFVKDTEEDFHVQDVTTVKVPMMKRLGNFIHQCKKLSSWVL 240
QY 350 LMKYLGNAATAIFFLPDEGKQLHLENELTHDITTKFLENEDRRSASLHLPKLSITGTYDLK 409
Db 241 LMKYLGNAATAIFFLPDEGKQLHLENELTHDITTKFLENEDRRSASLHLPKLSITGTYDLK 300
QY 410 SVLGOLGITKVFSGADLSGVTEEAPLKLKAVHKAVLIDKGTGAAGAMFLEAIPMSI 469
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Db 361 PPEVKFNKPFVFLMIQNTKSPFLFMGKVVNPTQK 394
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RESULT 11
US-08-002-202-17
; Sequence 17, Application US/08002202
; Patent No. 5604201
; GENERAL INFORMATION:
; APPLICANT: Thomas, Gary
; APPLICANT: Anderson, Eric D
; APPLICANT: Thomas, Laurel
; APPLICANT: Hayflick, Joel S
; TITLE OF INVENTION: Methods and Reagents for Inhibiting
; TITLE OF INVENTION: Furin Endoprotease
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Allegretti and Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/002.202
; FILING DATE: 08-JAN-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5604201nan, Kevin E
; REGISTRATION NUMBER: 35,30003
; REFERENCE/DOCKET NUMBER: 92,448
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-002-202-17
;
; Query Match 75.2%; Score 2010.5; DB 1; Length 414;
; Best Local Similarity 96.3%; Pred. No. 1e-163;
; Matches 393; Conservative 3; Mismatches 5; Indels 7; Gaps 2;
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Db 14 GLC---CLVPVSLAEDPOGDAQAQKTDTSRHHQDHPFNKTPNLAFAFSLYRQLAHQSN 70
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Db 71 STNIFSPVSIATAPAMLSLCTKADTHDEILEGNFNLTEIPEAQIHEGFOELLRTLN-- 128
QY 216 DSQQLTTGNGLFLSEGLKLVKDFLEVDKLYLHSEAFVNFQDTEAKKQINDYVEKGTQ 275
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QY 276 GKIVDLVKELDRDTVFALVNYIFFKGKWERPFVKDTEEDFHVQDVTTVKVPMMKRLGM 335
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QY 456 AAGAMFLEAIPMSIPPEVKFNKPFVFLMIQNTKSPFLFMGKVVNPTQK 503
Db 367 AAGAMFLEAIPMSIPPEVKFNKPFVFLMIQNTKSPFLFMGKVVNPTQK 414
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RESULT 12
US-08-481-534-17
; Sequence 17, Application US/08481534
; Patent No. 602855
; GENERAL INFORMATION:
; APPLICANT: Thomas, Gary
; APPLICANT: Anderson, Eric D
; APPLICANT: Thomas, Laurel
; APPLICANT: Hayflick, Joel S
; APPLICANT: Nelson, Jay
; APPLICANT: Stenglen, Stephan G
; TITLE OF INVENTION: Methods and Reagents for Inhibiting Furin
; TITLE OF INVENTION: Endoprotease
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonnell Boenhen Hulbert & Berghoff
```


STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481.534
FILING DATE: 14-SEP-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: No. 6022855nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 92,448-D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 414 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-481-534-17

Query Match 75.2%; Score 2010.5; DB 3; Length 414;
Best Local Similarity 96.3%; Pred. No. 1e-163;
Matches 393; Conservative 3; Mismatches 5; Indels 7; Gaps 2;
QY 96 GMGKSCVSPKAMEDPGDGAQAQKTDTHSHDQDHTFNKIPNLAEPFSLYRQLAHQSN 155
Db 14 GLC---CLVPVSLAEDPGDGAQAQKTDTHSHDQDHTFNKIPNLAEPFSLYRQLAHQSN 70
QY 156 SNIIFFSPVSTATAFAMLSLGTADTHDEILLEGFLNLTPEPAQIHEGFQELLRTLNQ 215
Db 71 SNIIFFSPVSTATAFAMLSLGTADTHDEILLEGFLNLTPEPAQIHEGFQELLRTLN-- 128
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QY 396 HLPKLSITGTVDLKSVLGQGITKVFNSGADLSGVTEAPLKLKSAVKAVLTIDEKGT 455
Db 307 HLPKLSITGTVDLKSVLGQGITKVFNSGADLSGVTEAPLKLKSAVKAVLTIDEKGT 366
QY 456 AGAMFLEAIPMSIPEVKFNKPFVFLMIQNTKSPFMGKVNPQTOK 503
Db 367 AGAMFLEAIPMSIPEVKFNKPFVFLMIQNTKSPFMGKVNPQTOK 414
RESULT 13
US-08-481-534-11
; Sequence 11, Application US/08481534
; Patent No. 6022855
; GENERAL INFORMATION:
; APPLICANT: Thomas, Gary
; APPLICANT: Anderson, Eric D
; APPLICANT: Thomas, Laurel
; APPLICANT: Hayflick, Joel S
; APPLICANT: Nelson, Jay

APPLICANT: Stenglen, Stephan G
TITLE OF INVENTION: Methods and Reagents for Inhibiting Furin
TITLE OF INVENTION: Endoprotease
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481.534
FILING DATE: 14-SEP-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: No. 6022855nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 92,448-D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-913-0001
TELEFAX: 312-913-0002
TELEX:
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 394 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Modified site
LOCATION: 355..358
OTHER INFORMATION: /label=Variant
OTHER INFORMATION: / note="The amino acid sequence is the amino acid
sequence of the modified alpha-1-antitrypsin
protein, alpha-1-antitrypsin Pittsburgh."
US-08-481-534-11

Query Match 75.1%; Score 2008; DB 3; Length 394;
Best Local Similarity 98.7%; Pred. No. 1.6e-163;
Matches 399; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
QY 110 EDQGDAAQKTDTHSHDQDHTFNKIPNLAEPFSLYRQLAHQSNSTIFFSPVSIATA 169
Db 1 EDQGDAAQKTDTHSHDQDHTFNKIPNLAEPFSLYRQLAHQSNSTIFFSPVSIATA 60
QY 170 FAMLISLGTADTHDEILLEGFLNLTPEPAQIHEGFQELLRTLNQDPSQLQTLTGNGLFL 229
Db 61 FAMLISLGTADTHDEILLEGFLNLTQIPEAQIHEGFQELLRTLNQDPSQLQTLTGNGLFL 120
QY 230 SEGKLVKDFLEDDVKLYHSEAFVNFGEDEAKKQINDYVEKGTQKIVDLVKELDRDT 289
Db 121 SQGLKLVDFLEDDVKLYHSEAFVNFGEDEAKKQINDYVEKGTQKIVDLVKELDRDT 180
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QY 350 LMKYLGNAITFFLPDGGKQLHLENELTHDIITKFLNEDRRSASLHLPKLSITGTVDL 409
Db 241 LMKYLGNAITFFLPDGGKQLHLENELTHDIITKFLNEDRRSASLHLPKLSITGTVDL 300
QY 410 SVLGQGITKVFNSGADLSGVTEAPLKLKSAVKAVLTIDEKGTAAAGAMFLEAIPMSI 469
Db 301 SVLGQGITKVFNSGADLSGVTEAPLKLKSAVKAVLTIDEKGTAAAGAMFLEAIPRSI 360
QY 470 PPEVKFNKPFVFLMIQNTKSPFMGKVNPQTOK 503
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Db 361 PPEVKFNKPFVFLMIEQNTKSPLEFMGKVVNPTGK 394

RESULT 14
US-08-002-202-13
; Sequence 13, Application US/08002202
; Patent No. 5604201
; GENERAL INFORMATION:
; APPLICANT: Thomas, Gary
; APPLICANT: Anderson, Eric D
; APPLICANT: Thomas, Laurel
; APPLICANT: Hayflick, Joel S
; TITLE OF INVENTION: Methods and Reagents for Inhibiting
; TITLE OF INVENTION: Furin Endoprotease
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Allegretti and Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/002.202
; FILING DATE: 08-JAN-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5604201nan, Kevin E
; REGISTRATION NUMBER: 35,30003
; REFERENCE/DOCKET NUMBER: 92,448
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-002-202-13

Query Match 74.9%; Score 2004.5; DB 1; Length 414;
Best Local Similarity 96.1%; Pred. No. 3.4e-163;
Matches 392; Conservative 3; Mismatches 6; Indels 7; Gaps 2;

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Db 129 --QLQLTGNGFLSGLKLVKDFLEDVKKLYHSEAFVNFPGDTEAKKQINDYVEKGTQ 186
Qy 276 GKIIVDLVKELDRDTVFALVNYIFFKQKWRPFVKDTEEDFHVQDQVTVKVPMMKRLGM 335
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Qy 336 FNIQCKKLSWVLMKYLGNATAIFFLPDEGKQLHLENELTHDIIITKFLNEDRRSASL 395
Db 247 FNIQCKKLSWVLMKYLGNATAIFFLPDEGKQLHLENELTHDIIITKFLNEDRRSASL 306
Qy 396 HLPKLSITGTYDLKSVLGQIGITKVFNSGADLSGVTEAPLKSVAHVKAFLTIDEKGTGTE 455
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Db 307 HLPKLSITGTYDLKSVLGQIGITKVFNSGADLSGVTEAPLKSVAHVKAFLTIDEKGTGTE 366

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Db 367 AAGAMFLEAIPMSIPPEVKFNKPFVFLMIEQNTKSPLEFMGKVVNPTGK 414

RESULT 15
US-08-481-534-13
; Sequence 13, Application US/08481534
; Patent No. 6022855
; GENERAL INFORMATION:
; APPLICANT: Thomas, Gary
; APPLICANT: Anderson, Eric D
; APPLICANT: Thomas, Laurel
; APPLICANT: Hayflick, Joel S
; APPLICANT: Nelson, Jay
; APPLICANT: Stenglen, Stephan G
; TITLE OF INVENTION: Methods and Reagents for Inhibiting Furin
; TITLE OF INVENTION: Endoprotease
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
; STREET: 300 South Wacker Drive
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/481,534
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 6022855nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 92,448-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-913-0001
; TELEFAX: 312-913-0002
; TELEX:
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-481-534-13

Query Match 74.9%; Score 2004.5; DB 3; Length 414;
Best Local Similarity 96.1%; Pred. No. 3.4e-163;
Matches 392; Conservative 3; Mismatches 6; Indels 7; Gaps 2;

Qy 96 GMSGKSCVSPVKAMEDPQGDAAQKTDTSHDDHPTFNKTPNLAFAFSLYRLAHQSN 155
Db 14 GLC---CLVPVSLAEDPQGDAAQKTDTSHDDHPTFNKTPNLAFAFSLYRLAHQSN 70
Qy 156 STNIFSPVSIATAFAMLSLGTADTHDEILGLNLFNLTEIPEAQIHGFEQLLRTLNQ 215
Db 71 STNIFSPVSIATAFAMLSLGTADTHDEILGLNLFNLTEIPEAQIHGFEQLLRTLN-- 128
Qy 216 DSQQLTTGNGFLSGLKLVKDFLEDVKKLYHSEAFVNFPGDTEAKKQINDYVEKGTQ 275
Db 129 --QLQLTGNGFLSGLKLVKDFLEDVKKLYHSEAFVNFPGDTEAKKQINDYVEKGTQ 186
Qy 276 GKIIVDLVKELDRDTVFALVNYIFFKQKWRPFVKDTEEDFHVQDQVTVKVPMMKRLGM 335
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Qy	396	HLPKLSITGTVDLKSVLGQLGITKVFSGADLSGVTEEAPLKS KAVHKA VLTIDEKGTE	455
Db	307	HLPKLSITGTVDLKSVLGQLGITKVFSGADLSGVTEEAPLKS KAVHKA VLTIDEKGTE	366
Qy	456	AAGAMFLEAIPMSIPPEVKFNKPFVFLMIEONTKSPFLFMGKVVNPTOK	503
Db	367	AAGAMFLEAIPMSIPPEVKFNKPFVFLMIEONTKSPFLFMGKVVNPTOK	414

Search completed: November 30, 2002, 12:38:12
Job time : 12.5 secs